

INTERNATIONAL SEARCH REPORT

Int. Application No.
PCT/GB2005/000490

A. CLASSIFICATION OF SUBJECT MATTER
IPC 7 H01L29/165 H01L21/20

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)
IPC 7 H01L

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data bases consulted during the international search (name of data base and, where practical, search terms used)
EPO-Internal, PAJ

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category: Citation of document, with indication, where appropriate, of the relevant passages Relevant to claim No.

X	US 2002/017642 A1 (MIZUSHIMA KAZUKI ET AL) 14 February 2002 (2002-02-14) paragraph '00471 - paragraph '00521; figures 2,7	1,4,5, 7-13,16, 18
X	US 2002/125475 A1 (CHU JACK OON ET AL) 12 September 2002 (2002-09-12) figure 3	1,4-10, 12,13, 16,18
X	WO 03/103031 A (UNIVERSITY OF WARWICK; CAPEWELL, ADAM, DANIEL; GRASBY, TIMOTHY, JOHN;) 11 December 2003 (2003-12-11) abstract; figure 2	1,4,5,7, 8,12-18

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☒ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in an annex.

* Special categories of cited documents:

- *A* document defining the general state of the art which is not considered to be of particular relevance
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- *O* document referring to an oral disclosure, use, exhibition or other means
- *P* document published prior to the international filing date but later than the priority date claimed

T later document published after the international filing date but not at conflict with the application but cited to understand the principle or theory underlying the invention

X document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

Y document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art

Z document member of the same patent family

Date of the actual completion of the international search

19 May 2005

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30/05/2005

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Int. No. and Application No.
PCT/GB2005/000490

C. (Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of documents, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	<p>ROMANATO F ET AL: "Continuously graded buffers for InGaAs/GaAs structures grown on GaAs"</p> <p>JOURNAL OF CRYSTAL GROWTH, NORTH-HOLLAND, AMSTERDAM, NL, vol. 175-176, May 1997 (1997-05), pages 1009-1015, XP004091436</p> <p>ISSN: 0022-0248</p> <p>page 1011 - page 1014</p>	<p>1,2,4, 12-14, 16,18</p>
X	<p>PATENT ABSTRACTS OF JAPAN</p> <p>vol. 2003, no. 11, 5 November 2003 (2003-11-05)</p> <p>& JP 2003 197544 A (SUMITOMO MITSUBISHI SILICON CORP), 11 July 2003 (2003-07-11) abstract</p>	<p>1,3-5, 7-9,12, 13,15, 16,18</p>

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Information on patent family members

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PCT/GB2005/000490

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